

# NORTHWEST FOREST PLAN



## Regional Monitoring Overview

# Why Monitor?

➤ Required: Laws, ROD, Courts.

*“Monitoring is central to the [Northwest Forest Plan’s] validity. If it is not funded, or done for any reason, the plan will have to be reconsidered.”*

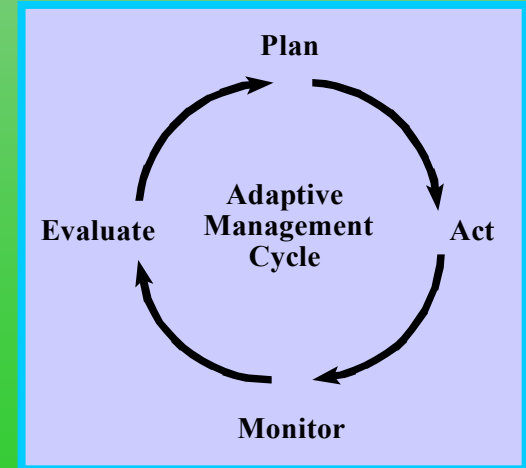
William L. Dwyer

Judge, US District Court

December 1994

# Why Monitor?

- **Accountability.**
- **Can be important for building trust.**
- **“All [ecosystem] approaches are a working hypothesis ... requiring application and evaluation”. Salwasser.**
- **Can help us write the next plan.**



# Levels of Monitoring

- **Are we following the S&G's?**  
*(Implementation Monitoring)*
- **Are the desired results being achieved?**  
*(Effectiveness Monitoring)*
- **Are the underlying assumptions sound?**  
*(Validation Monitoring)*

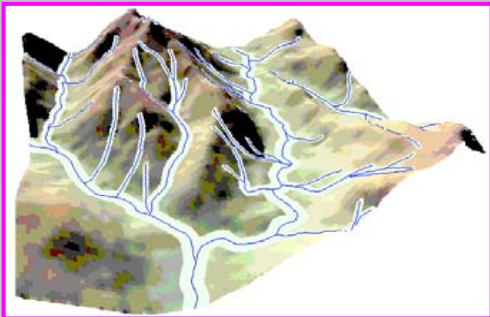
# Key Elements of NFP Regional Monitoring Activities



- **Required in ROD**
- **Interagency**
- **NWFP Regional Scope**
- **Implementation & Effectiveness**
- **Scientific Credibility**
- **Status & Trend**



# Regional Emphasis Areas



- **Implementation**
- **Effectiveness**
  - **Northern Spotted Owl**
  - **Marbled Murrelet**
  - **Aquatic-Riparian**
  - **Old-Growth**
  - **Socio-Economic**
  - **Tribal**
  - **Biodiversity**

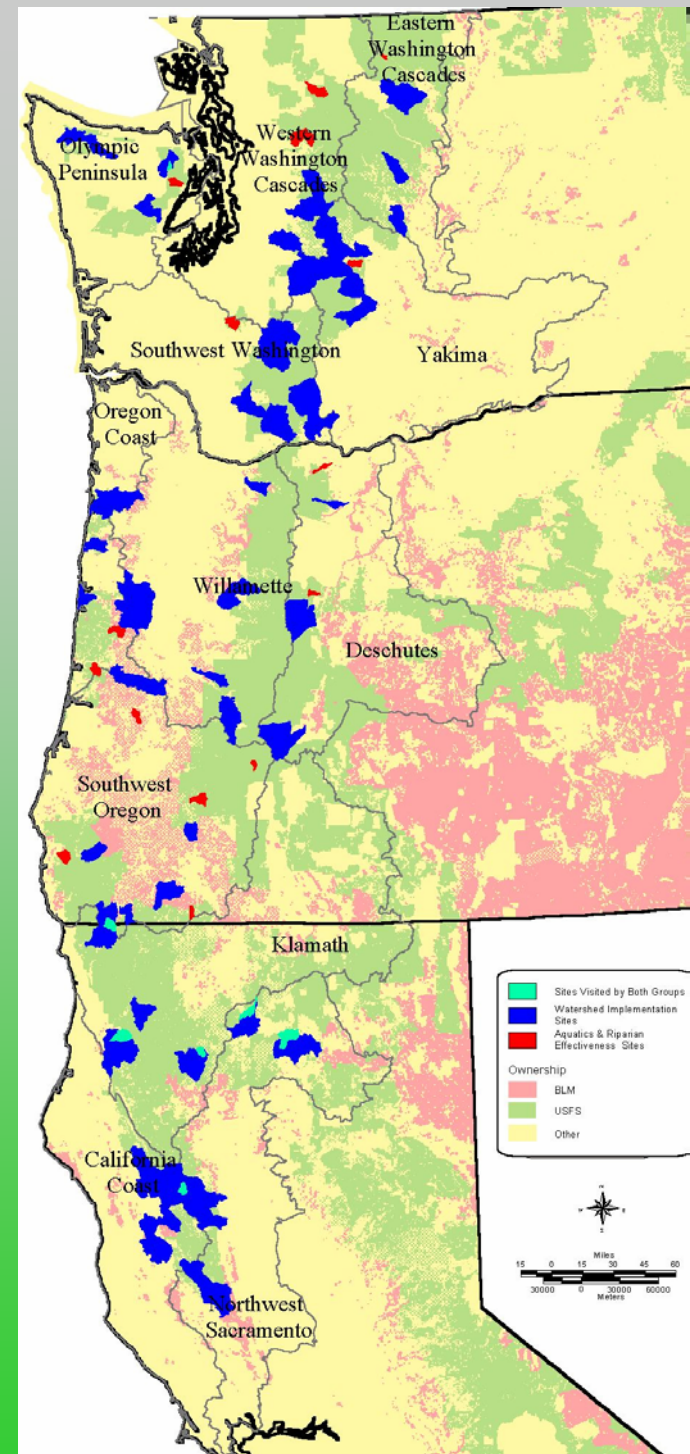
# Implementation Monitoring



- **Are we following the S&G's**
  - **Systematic approach**
    - Randomly located
    - NWFP regional consistency
    - Standard questionnaires
    - Openness (interagency/public monitoring)
  - **All levels involved**
    - Intergovernmental advisory committee
    - Regional interagency executives
    - Province advisory committees
    - Project personnel
  - **Products include annual, 5-year reports.**

# Implementation Monitoring

## ➤ PAC Watershed Visits (1999-2001)





# Effectiveness Monitoring Design



United States  
Department of  
Agriculture

Forest Service  
Pacific Northwest  
Research Station

General  
Technical Report  
PNW-GTR-437  
January 1999

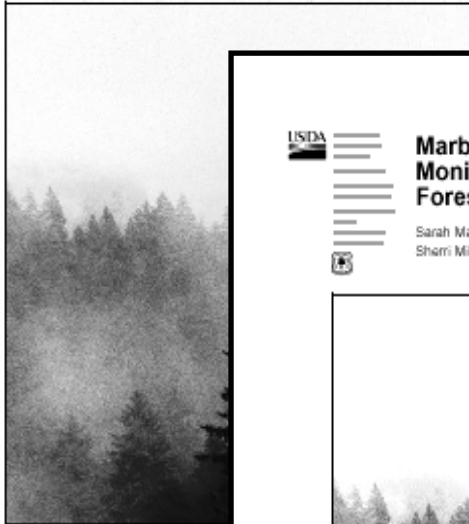


## The Strategy and Design of the Effectiveness Monitoring Program for the Northwest Forest Plan



### Late-Successional and Old-Growth Forest Effectiveness Monitoring Plan for the Northwest Forest Plan

Miles Herstrom, Thomas Spies, Craig Palmer, Ross Klester,  
John Tepley, Phil McDonald, and Ralph Warbington



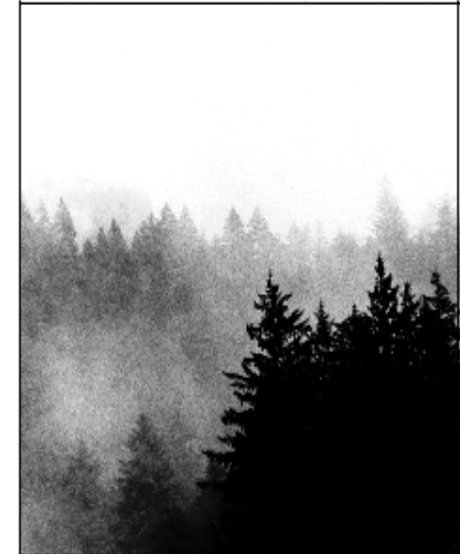
### Marbled Murrelet Effectiveness Monitoring Plan for the Northwest Forest Plan

Sarah Madsen, Diane Evans, Thomas Hamer, Paul Hanson,  
Sherri Miller, S. Kim Nelson, Daniel Roby, and Martin Stapanian



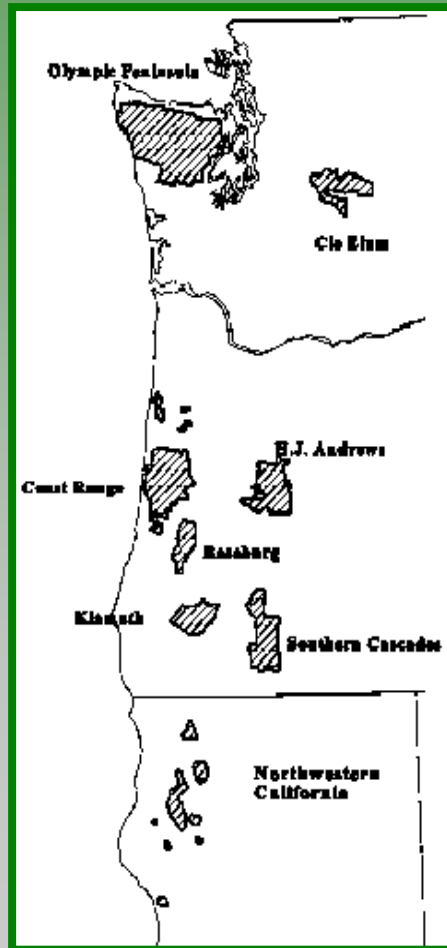
### Northern Spotted Owl Effectiveness Monitoring Plan for the Northwest Forest Plan

Joseph Lint, Barry Noon, Robert Anthony, Eric Forsman,  
Martin Raphael, Michael Collopy, and Edward Starkey



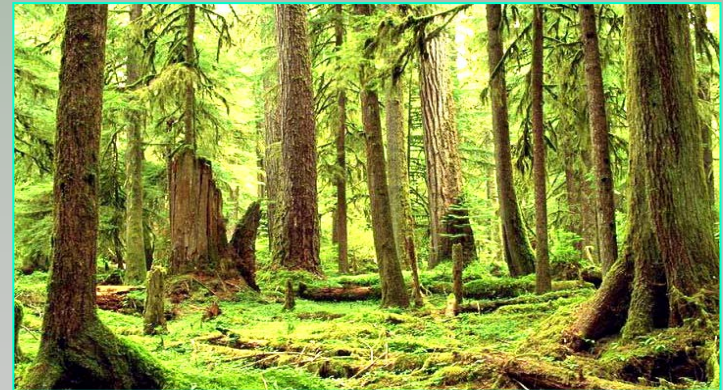
# Northern Spotted Owl Effectiveness Monitoring

## Owl Population Study Areas



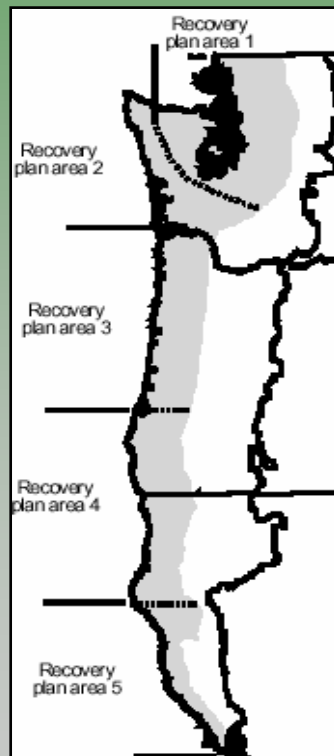
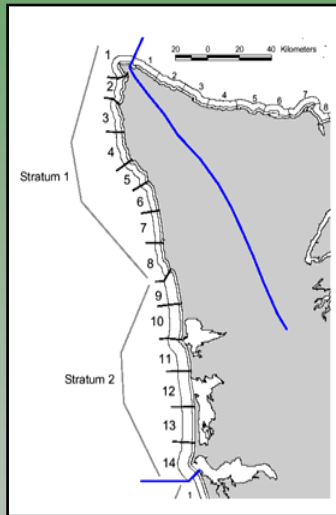
## Owl Habitat

- Predictive Modeling
- Habitat Mapping



# Marbled Murrelet Effectiveness Monitoring

## Marbled Murrelet Population Surveys

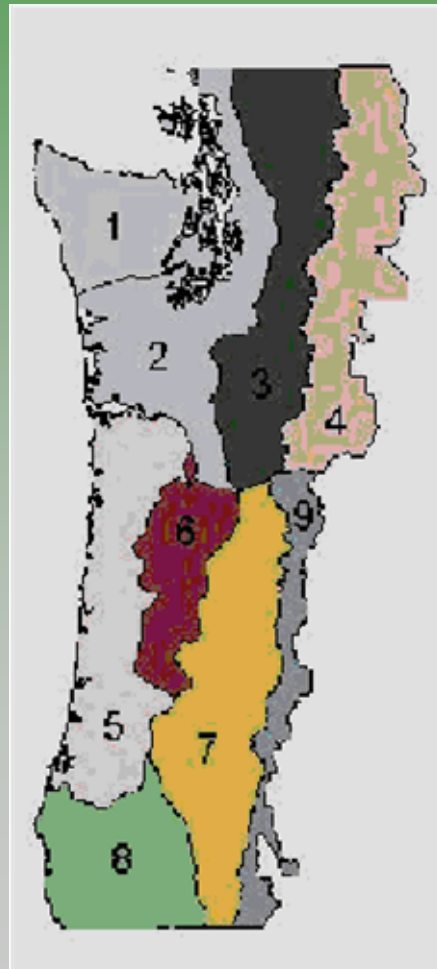
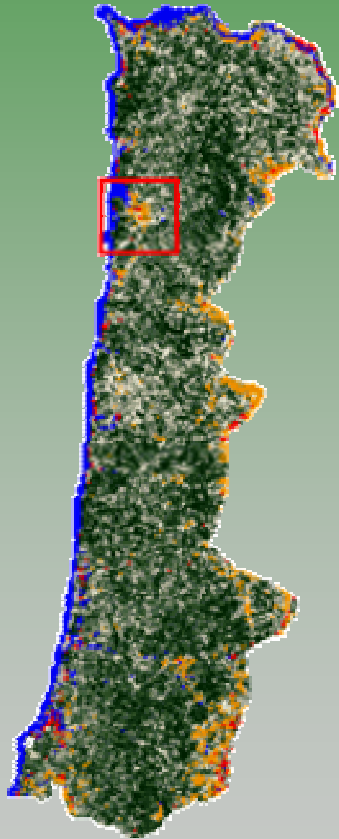


## Habitat

- Predictive Modeling
- Habitat Mapping



# Late-Successional - Old-Growth Effectiveness Monitoring

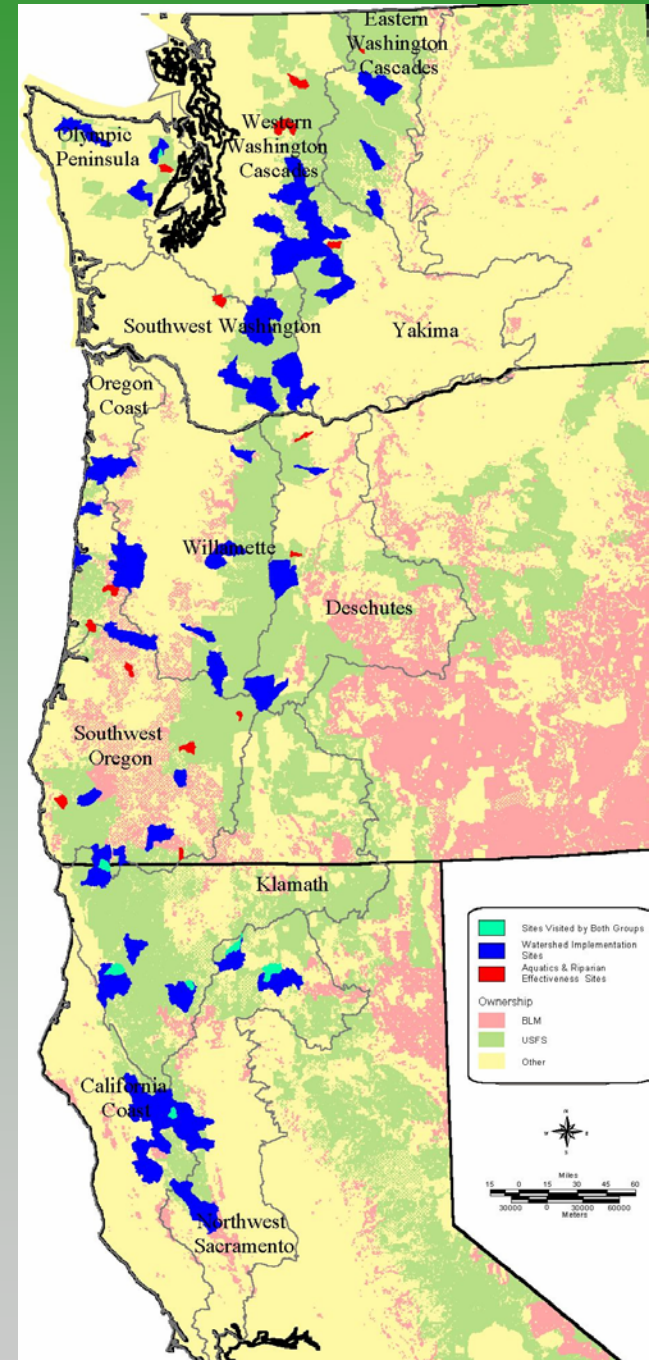


**Interagency  
Vegetation Mapping  
Project (IVMP)**



# Aquatic - Riparian Effectiveness Monitoring

- Approved in March.
- Watershed condition.
- Pilot test this FY.
- 250 6<sup>th</sup>- field watersheds.



# **Socio-Economic Monitoring Plan**

## **➤ Plan Development Phase**

- Phase I Report: “Monitoring Socio-economic Trends in the Northern Spotted Owl Region”  
Dr. Paul Sommers**
- Phase II: Testing Community Level Approach; Compiling unpublished info on communities**
- Decision on level of monitoring expected next winter (community VS. county).**

# Tribal Monitoring Plan

## ➤ Development Phase



➤ **Pilot Test – Tribal Questionnaire.**

➤ **Decision on approach next winter.**

# Challenges ...

- **Linking monitoring efforts.**
- **Strengthening tie to adaptive decision-making.**
- **Cost.**



# Finally ...

➤ **Web site:** <http://www.reo.gov/reo/>

➤ **Questions ?????**

## ➤ Interagency Monitoring TEAM

Updated 10/16/01

➤ <u>NAME</u>	<u>PHONE</u>	<u>AGENCY</u>	<u>E-MAIL</u>
---------------	--------------	---------------	---------------

### ➤ MONITORING PROGRAM MANAGERS (MPM'S)

➤ Lisa Freedman, Chair	503-808-2271	USFS-R6	<a href="mailto:lfreedman@fs.fed.us">lfreedman@fs.fed.us</a>
➤ Cindy Barry	503-231-6151	USFWS	<a href="mailto:cynthia_barry@r1.fws.gov">cynthia_barry@r1.fws.gov</a>
➤ Dave Busch	503-808-2192	USGS	<a href="mailto:dbusch@or.blm.gov">dbusch@or.blm.gov</a>
➤ Dave Powers	503-326-5874	EPA	<a href="mailto:powers.david@epa.gov">powers.david@epa.gov</a>
➤ Garland Mason	510-559-6316	PSW	<a href="mailto:gmason@fs.fed.us">gmason@fs.fed.us</a>
➤ Gary Benson (Acting)	503-808-2191	PNW	<a href="mailto:gbenson@fs.fed.us">gbenson@fs.fed.us</a>
➤ George Lottritz	707-441-3519	USFS-R5	<a href="mailto:glottritz@fs.fed.us">glottritz@fs.fed.us</a>
➤ Monty Knudsen	503-872-2808	USFWS	<a href="mailto:monty_knudsen@fws.gov">monty_knudsen@fws.gov</a>
➤ Steve Morris	503-808-2176	NMFS	<a href="mailto:Steve.Morris@noaa.gov">Steve.Morris@noaa.gov</a>

### ➤ MONITORING TEAM

➤ Jon Martin, Manager	503-808-2269	USFS	<a href="mailto:jrmartin@fs.fed.us">jrmartin@fs.fed.us</a>
➤ Bruce Bingham – Info Mgmt	503-808-2251	USFS	<a href="mailto:bbingham@fs.fed.us">bbingham@fs.fed.us</a>
➤ Claudia Stuart – Socio-econ	530-879-6608	USFS	<a href="mailto:cstuart@fs.fed.us">cstuart@fs.fed.us</a>
➤ Dan McKenzie – Tribal	503-808-2190	EPA	<a href="mailto:danm@mail.cor.epa.gov">danm@mail.cor.epa.gov</a>
➤ Dave Baker – Implementation	541-464-3223	BLM	<a href="mailto:dbaker@or.blm.gov">dbaker@or.blm.gov</a>
➤ Joe Lint – Northern S. Owls	541-464-3288	BLM	<a href="mailto:jlint@or.blm.gov">jlint@or.blm.gov</a>
➤ Melinda Moeur – Vegetation	503-808-2811	USFS	<a href="mailto:mmoeur@fs.fed.us">mmoeur@fs.fed.us</a>
➤ Patrick Jodice– Murrelets	541-737-2473	USFWS	<a href="mailto:patrick_jodice@fws.gov">patrick_jodice@fws.gov</a>
➤ Steve Lanigan- Watershed	503-808-2261	USFS	<a href="mailto:slanigan@fs.fed.us">slanigan@fs.fed.us</a>